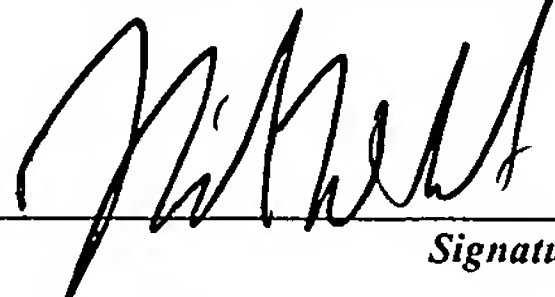
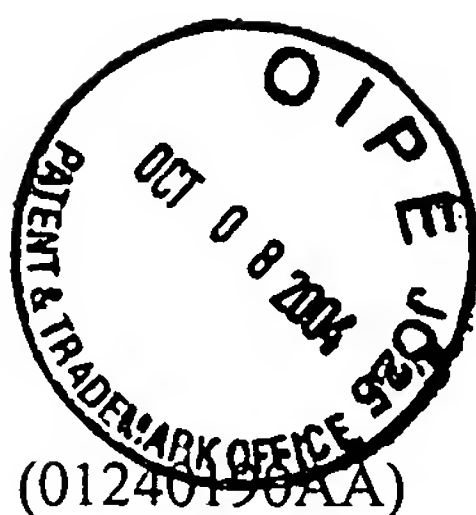


IPW

<b>TRANSMITTAL LETTER</b> (General - Patent Pending)				Docket No. 01240190AA	
In Re Application Of: A. Watson, et al.					
Application No. 10/711,143	Filing Date August 27, 2004	Examiner Unassigned	Customer No. 46170	Group Art Unit 2825	Confirmation No. 5142
Title: METHODOLOGY OF QUANTIFICATION OF TRANSMISSION PROBABILITY FOR MINORITY CARRIER COLLECTION IN A SEMICONDUCTOR CHIP					
<u>COMMISSIONER FOR PATENTS:</u>					
Transmitted herewith is:  <b>INFORMATION DISCLOSURE STATEMENT; PTO-1449; 9 DOCS</b>					
in the above identified application.					
<input checked="" type="checkbox"/> No additional fee is required.					
<input type="checkbox"/> A check in the amount of _____ is attached.					
<input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <b>09-0456</b> as described below.					
<input type="checkbox"/> Charge the amount of _____					
<input checked="" type="checkbox"/> Credit any overpayment.					
<input checked="" type="checkbox"/> Charge any additional fee required.					
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
<b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b>					
 _____ Signature			Dated:   October 8, 2004		
Michael E. Whitham Reg No. 32,635 Whitham, Curtis & Christofferson, P.C. 11491 Sunset Hills Road, Suite 340 Reston, Virginia 20190 703-787-9400			<div style="border: 1px solid black; padding: 5px;"><p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____.</p><p style="text-align:center;">(Date)</p><p style="text-align:center;">_____ Signature of Person Mailing Correspondence</p><p style="text-align:center;"><b>HAND DELIVERED</b></p><p style="text-align:center;">_____ Typed or Printed Name of Person Mailing Correspondence</p></div>		
CC:					



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

A. Watson, et al.

Serial No.: 10/711,143

Group Art Unit: 2825

Filed: August 27, 2004

Examiner: Unassigned

For: METHODOLOGY OF QUANTIFICATION OF TRANSMISSION  
PROBABILITY FOR MINORITY CARRIER COLLECTION IN A  
SEMICONDUCTOR CHIP

Commissioner of Patents and Trademarks  
P.O. Box 1450  
Alexandria, Virginia 22313

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Under the provisions of 37 C.F.R. §1.97 through §1.99 and pursuant to applicant's duty of disclosure under 37 C.F.R. §1.56, applicant respectfully brings the following documents, listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. Copies of the listed documents are provided herewith for the convenience of the Examiner.

This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicant is aware.

(01240190AA)

It is respectfully requested that the listed references be considered by the Examiner and formally made of record in this application.

Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 09-0456.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Michael E. Whitham', written in a cursive style.

Michael E. Whitham  
Registration No.: 32,635

Whitham, Curtis & Christofferson, P.C.  
11491 Sunset Hills Road, Suite 340  
Reston, Virginia 20190  
703-787-9400  
Customer number: 45773

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>	Docket Number (Optional) <b>BUR920040120US1</b>	Application Number <b>10/711,143</b>
	Applicant(s) <b>A. Watson, et al.</b>	
	Filing Date <b>August 27, 2004</b>	Group Art Unit <b>2825</b>

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		JP2020039		Japan		abstract	✓	

OTHER DOCUMENTS			(Including Author, Title, Date, Pertinent Pages, Etc.)
		SUBSTRATE MODELING AND LUMPED SUBSTRATE RESISTANCE EXTRACTION FOR CMOS ESD/LATCHUP CIRCUIT SIMULATION, T. Li, et al., Coordinated Science Laboratory, Dept. of Electrical and Computer Engineering University of Illionois at Urbana-Champaign, Urbana, IL (1999)	
		BIPOLAR TRANSISTOR ACTION AND TRANSPORT EFFECTS RELATING TO CMOS LATCHUP, G. Krieger, IEEE Transactions on Electron Devices, Vol. ED-34, No. 8, August 1987, pgs. 1719-1728	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS			(Including Author, Title, Date, Pertinent Pages, Etc.)
		PARASITIC LATERAL BIPOLAR TRANSISTORS IN CMOS, L. Deferm, et al., Solid-State Electronics, Vol. 32 No. 2, pgs 103-109, 1989	
		A NEW ANALYTICAL THREE-DIMENSIONAL MODEL FOR SUBSTRATE RESISTANCE IN CMOS LATCHUP STRUCTURES, M. Chen, et al., IEEE Transactions on Electron Devices, Vol. ED-33 No. 4 pgs. 489-493, April 1986	

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	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		STATIC AND TRANSIENT LATCHUP SIMULATION OF VLSI-CMOS WITH AN IMPROVED PHYSICAL DESIGN MODEL, M. Strzempa-Depre, et al., IEEE Transactions on Electron Devices, Vol. ED-34 No. 6, June 1987, pgs 1290-1296
		A CMOS MODEL FOR COMPUTER-AIDED CIRCUIT ANALYSIS AND DESIGN, J. W. Roberts, et al., IEEE Journal of Solid-State Circuits, Vol. 24, No. 1, February 1989, pgs 128-138

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							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		CORRELATING THE CHANNEL, SUBSTRATE, GATE AND MINORITY-CARRIER CURRENTS IN MOSFETs, C. Hu et al., IEEE International, Solid-State Circuits Conference, Digest of Technical Papers February 1983, pgs. 88-90

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